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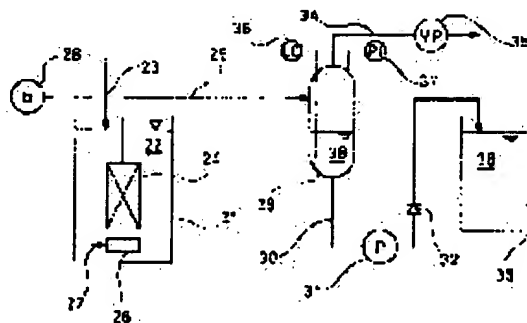
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## (54) SUCTION DEVICE FOR FILM SEPARATION UNIT

### (57)Abstract:

**PURPOSE:** To smoothly take out a treating water without sucking bubbles into a treating water pump by separating gas and water in the treating water in a vacuum tank and to uniformize flux in a film separation unit by keeping the inside of a vacuum tank at a fixed negative pressure to stabilize suction efficiency.

**CONSTITUTION:** The film separation unit 24 is dipped and arranged in a film separation vessel 21 into which a water 22 to be treated flows and a suction pipe 25 communicated with a permeating solution flow passage in the film separation unit 24 is provided to connect to the vacuum tank 29. A treating water pipe 30 is provided to communicate with the bottom of the vacuum tank 29, the treating water pump 31 is mounted at the halfway of the treating water pipe 30 and a vacuum pump 35 is provided to communicate with the top part of the vacuum tank 29. As a result, the suction device for the film separation unit capable of constantly giving the fixed negative pressure to the film separation unit is obtained without being affected by the bubbles in a permeated solution.



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